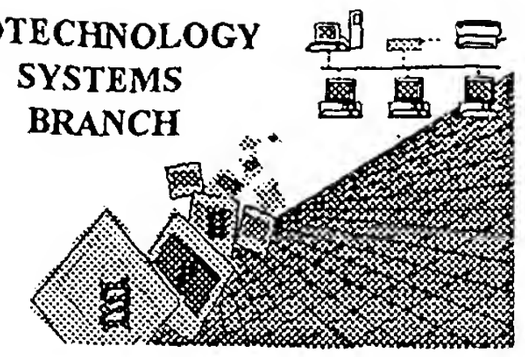
ep

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/654,898
Source: OIPE
Date Processed by STIC: 9/15/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 10/654,898

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

OIPE

RAW SEQUENCE LISTING DATE: 09/15/2003
PATENT APPLICATION: **US/10/654,898** TIME: 12:40:48

Input Set : **N:\KEISHA\10654898.txt**
Output Set: **N:\CRF4\09152003\J654898.raw**

2 <110> APPLICANT: Natalia Viktorovna STOYNOVA
3 Elena Viktorovna SYCHEVA
4 Aleksandra Yurievna SKOROKHODOVA
5 Yuri Ivanovich KOZLOV
7 <120> TITLE OF INVENTION: Method for producing L-amino acid using bacterium, belonging to the
8 genus Escherichia, lacking active mlc gene
W--> 10 **<130> FILE REFERENCE:**
C--> 12 **<140> CURRENT APPLICATION NUMBER: US/10/654,898**
C--> 12 **<141> CURRENT FILING DATE: 2003-09-05**
12 <150> PRIOR APPLICATION NUMBER: RU 2002123822
13 <151> PRIOR FILING DATE: 2002-09-06
15 <160> NUMBER OF SEQ ID NOS: 7
17 <170> SOFTWARE: PatentIn version 3.1

pp 1-2
Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

167 <210> SEQ ID NO: 7
168 <211> LENGTH: 1191
169 <212> TYPE: DNA
170 <213> ORGANISM: Escherichia coli
172 <400> SEQUENCE: 7
173 cagaagtgtc tgtaccggta ataaagaaac gcttcagcat cactaactcc accgttatgc 60
175 ttcacaaata taaaccagga aaataattaa ccttgaaagt ctaagttatg ctttcctggc 120
177 ccaaattgag atagcgcaaa ttttggtaga acagttaaaa aatgttaacc ctgcaacaga 180
179 cgaatcaaca aagaaccgtt atacatcgcg tctatacctg tgacggaaga tcacttcgca 240
181 gaataaataa atcctggtgt ccctgttgat accgggaagc cctgggccaa cttttggcga 300
183 aaatgagacg ttgatcggca cgtaagaggt tccaactttc accataatga aataagatca 360
185 ctaccgggcg tatttttga gttatcgaga ttttcaggag ctaaggaagc taaaatggag 420
187 aaaaaaatca ctggatatac caccgttgat atatcccaat ggcatcgtaa agaacatttt 480
189 gaggcatttc agtcagttgc tcaatgtacc tataaccaga ccgttcagct ggatattacg 540
191 gccttttaa agaccgtaaa gaaaaataag cacaagtttt atccggcctt tattcacatt 600
193 cttgcccgcc tgatgaatgc tcatccggaa ttccgtatgg caatgaaaga cggtgagctg 660
195 gtgatatggg atagtgttca cccttgttac accgttttcc atgagcaaac tgaaacgttt 720
197 tcatcgctct ggagtgaata ccacgacgat ttccggcagt ttctacacat atattcgcaa 780
199 gatgtggcgt gttacggtga aaacctggcc tatttcccta aagggtttat tgagaatatg 840
201 tttttcgtct cagccaatcc ctgggtgagt ttcaccagtt ttgatttaaa cgtggccaat 900
203 atggacaact tcttcgcccc cgttttcacc atgggcaaat attatacgca aggcgacaag 960
205 gtgctgatgc cgctggcgat tcaggttcat catgccgtct gtgatggctt ccatgtcggc 1020
207 agaatgctta atgaattaca acagtactgc gatgagtggc agggcggggc gtaattgcaa 1080
209 ccaccgcata ctccctatat tttcgcgctc cgaaataatc tgtaggctat ggtgaagcac 1140
211 ttcaatacgt gtcgtcaaat ttttacttag gcatgtgatt aacagcacat t 1191
E--> 218 1 delete

see p. 2

<210> 1

<211> 64

<212> DNA

<213> Artificial

<220>

<223> artificial

insufficient explanation - give source of genetic material (see item 11 on Error Summary Sheet)

IMPORTANT The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.